

Title **Prentice Hall Chemistry: Connections to Our Changing World**

Publisher **Prentice Hall**

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Course Chemistry I Level High Copyright Date 2002

Overall Strengths and/or Weaknesses

Disclaimer: Comments on the strengths and/or weaknesses of each book or program were written by members of the State Textbook/Instructional Materials Review Team and reflect their opinions. They do not reflect the opinions of the State Textbook Commission nor the Kentucky Department of Education. In addition, the State Textbook/Instructional Materials Review team completed each evaluation form during the week of July 9-13, 2001. In order to maintain the integrity of the review team's comments, editing was limited to spelling and punctuation.

<p style="text-align: center;">Recommended by Reviewers to State Textbook Commission as a "Basal" textbook or program</p>
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CONTENT / PROCESS

- Strengths** - Chemistry text only.
- Specific Kentucky items available
- Various Inquiry based laboratory project/experiments are included.
- Appropriate reading level for this content
- Integrated Practical Living examples throughout text
- Not intended to cover Life or Earth Space core content.

Weaknesses

ASSESSMENT

Strengths Variety of assessment methods offered
Kentucky Standardized test prep available

Weaknesses

ORGANIZATION AND STRUCTURE

- Strengths** - Student text provides logical flow
- Well organized and easy to follow
- Annotated Teacher edition correlates directly to student edition. The teacher notes are next to the student copy of the page not just a section in the front of the text. .

Weaknesses

TECHNOLOGY

Strengths Video tapes integrating practical applications available
CD Rom is available. Not available for evaluation.
Web page offers interactive activities for students

Weaknesses

RESOURCE MATERIALS

Strengths - Web site available for corrections to text. Web page user friendly.

- Labs offered standard labs as well as applications lab.
- Workbook for reading skills available.

- Student Page available via Internet. Includes self test.

Weaknesses

OTHER COMMENTS

Technology resources correlate directly to objectives of text. Web page is both teacher and student friendly.

Content / Process

1. Material is comprehensive and includes content emphasized in Kentucky's Learning Goals and Academic Expectations and supported by the Core Content for Assessment, Program of Studies, and relevant National Standards. (Academic Expectations, 1. Program of Studies, and Core Content for Assessment criteria checklists will be addendums).

Adequate

This is a chemistry textbook only. Life Science and Earth Science are not covered

2. Content appears to be free from factual errors and reflects current research.

Adequate

3. Content makes connections to other content areas across the curriculum.

Strong

Specific content areas are mentioned with questions correlating areas

4. Concepts and application of skills to real-life situations are introduced when appropriate.

Strong

Chemistry in Action sections highlight real-life situations.

Career related information provided

5. Content appears to be free of social, ethnic, racial, religious, gender, and geographic bias.

Adequate

6. Material is flexible and accommodates various learning styles, interest/ability levels, and intelligences, including adaptations and accommodations for students with special needs.

Strong

Special needs and various learning styles are addressed in Teacher Edition

7. Reading level is appropriate for interest and ability level of intended student group; level remains consistent throughout.

Adequate

Publisher rates at 6.5. However, it is suitable for 10.2-11.0

Assessment

1. Student assessment is integrated and aligned with the instructional materials.

Adequate

Multiple assessment methods are integrated,e.g. multiple choice, fill in the blank, short answer, open response

2. Assessment materials provide opportunities for students to apply knowledge and skills in real-life situations and learning across the curriculum.

Strong

Critical Thinking skills exercises addresses authentic situations

3. A variety of assessments (e.g., individual, small group, oral, demonstrations, presentations, self and peer, open response, performance, portfolio prompts) is included.

Strong

A variety is available as well as Learning styles

4. Assessment materials provide for integration of technology in the assessment process.

Adequate

Internet options available

Organization and Structure

1. The textbook is well-organized, and is student and teacher friendly.

Adequate

Student text follows a logical and easy to read progression

2. Construction seems durable and conducive to student use (e.g., size, weight).

Adequate

Technology

1. Instructional materials contain activities that incorporate the use of technology (e.g., CD-ROMs, DVDs, laser disks, probes, graphical analysis programs).

Adequate

Probes and calculator exercises available

2. Various forms of media are included (e.g., CDs, recordings, videos, cassette tapes, computer software).

Adequate

Video tapes showing real world applications is available

3. The textbook is available online.

Missing

Resource Materials

1. Teacher material coordinates easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).

Adequate

Labs offered standard labs as well as applications lab.

Workbook for reading skills available.

2. Extension activities are included that adapt to various learning styles, interest/ability levels, and intelligences, including adaptations and accommodations for students with special needs.

Strong

Each section offers re-teaching ideas that address various learning styles

3. Resources provide references, background information, objectives, hints, and advice for lesson implementation.

Strong

Separate teacher resource guide available

4. Suggestions are made for family and community involvement.

Adequate

5. The included media are durable, easy to use, and have technical merit.

Adequate

6. Resources are available online.

Adequate

Internet resources available